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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**CERTIFICATES OF CORRECTION
BRANCH**

Jamal BAINA et al.

Patent No.: 7,107,251

Issue Date: Sep. 12, 2006

For: METHOD OF EVALUATING THE QUALITY OF AUDIO-VISUAL SEQUENCES

REQUEST FOR CORRECTED CERTIFICATE OF CORRECTION

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A certificate of correction was issued for this patent on April 10, 2007. Applicant hereby requests issuance of a corrected Certificate of Correction pursuant to 37 CFR 1.322 as shown on the attached form PTO-1050. The correction requested herein is the result of a Patent Office printing mistake.

The second item on the Certificate of Correction dated April 10, 2007 is incorrect.

"training sets EA" should read "training sets EAj", not "ESj" as printed. A copy of the original Request for Certificate of Correction as filed is attached to support this correction.

Accordingly, issuance of the corrected certificate is respectfully requested.

Since the error was a result of a Patent Office oversight, no fee is required, however, please charge any fee deficiency or credit any overpayment to Deposit Account No. 50-1088.

Respectfully requested,
CLARK & BRODY

Christopher W. Brody
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Docket No.: 11016-0007
Date: May 18, 2007

**Certificate
MAY 23 2007
of Correction**

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,107,251

APPLICATION NO.: 10/018,661

ISSUE DATE : Sep. 12, 2006

INVENTOR(S) : Jamal Baina and Pierre Bretillon

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Front page of the patent:

"PCT Pub. Date: Jan. 14, 2001" should read "PCT Pub. Date: Jan. 1, 2001"

Front page of the patent in the Abstract:

paragraph (b), " training sets EA" should read "training sets EAj"

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Clark & Brody
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,107,251 B1
APPLICATION NO. : 10/018661
DATED : September 12, 2006
INVENTOR(S) : Jamal Baina and Pierre Bretilon

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page Item (87)

"PCT Pub. Date: Jan. 14, 2001" should read --PCT Pub. Date: Jan. 1, 2001--

Title page Item (57) Abstract:

paragraph (b), "training sets EA" should read --training sets ESj--



Signed and Sealed this

Tenth Day of April, 2007

A handwritten signature in black ink that reads "Jon W. Dudas". The signature is stylized, with the first letters of the first and last names being capitalized and prominent.

JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION
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(71) Déposant (*pour tous les États désignés sauf US*): TELED-
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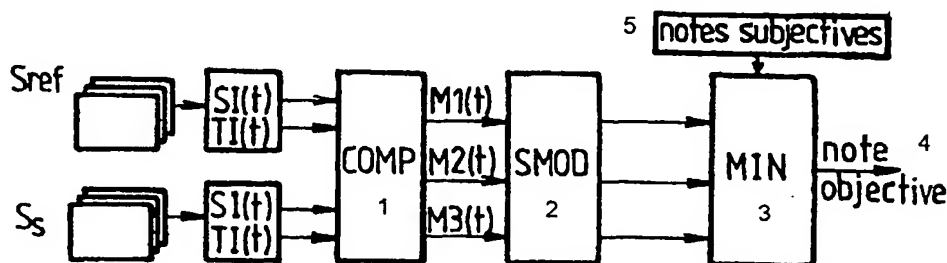
En ce qui concerne les codes à deux lettres et autres abrégia-
tions, se référer aux "Notes explicatives relatives aux codes et
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(72) Inventeurs; et

(75) Inventeurs/Déposants (*pour US seulement*): BAÏNA,

(54) Title: METHOD FOR EVALUATING THE QUALITY OF AUDIO-VISUAL SEQUENCES

(54) Titre: PROCEDE D'EVALUATION DE LA QUALITE DE SEQUENCES AUDIOVISUELLES



- 1...COMPARATOR
- 2...SUMMING MODULE
- 3...MINIMIZATION OF DISTORSION
- 4...OBJECTIVE RATING
- 5...SUBJECTIVE RATINGS

(57) Abstract: The invention concerns a method for evaluating the quality of audio-visual sequences by: a training comprising the attribution of a subjective rating to each of N_0 training sequences exhibiting degradations identified by a training vector assigned to each sequence according to a first vectoring process, to constitute a database consisting of N_0 training vectors MO_i and subjective ratings NS_i ; classifying the training vectors into k classes of ratings based on the subjective ratings NS_i which have been attributed, to form k training sets whereto are attributed k significant ratings; establishing for said audio-visual sequence to be evaluated a vector according to said first vectoring process; attributing to the audio-visual sequence the significant training rating NSR_j , corresponding to the closest training set Ea_j .

[Suite sur la page suivante]

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ABSTRACT

The invention provides a method of evaluating the quality of an audiovisual sequence by:

- 5 a) training, comprising allocating a subjective score NS_i to each of N_0 training sequences S_i (where $i = 1, 2, \dots, N_0$) presenting degradations identified by a training vector MO_i which is given to each sequence S_i in application of a first vectorizing method, in order to
10 build up a database of N_0 training vectors MO_i with subjective scores NS_i ;
- b) classifying the N_0 training vectors MO_i into k classes of scores as a function of the subjective scores NS_i that have been allocated to them, so as to form k
15 training sets EA_j (where $j = 1, 2, \dots, k$) which have k significant training scores NSR_j allocated thereto;
- c) for each audiovisual sequence to be evaluated, generating a vector MO using said first vectorization method; and
20 d) allocating to the audiovisual sequence for evaluation the significant training score NSR_j that corresponds to the closest training set EA_j .